

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	107	flat adj panel adj speaker	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L2	665	transparent near4 diaphragm	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L3	9	L1 and L2	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L4	4258840	@ad<= "20030425"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L5	2	L4 and L3	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L6	5	(diaphragm and transparent and vibrat\$3 and display and frame).clm.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L7	27	(diaphragm and transparent and display and frame).clm.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L8	9	("20020061114"   "20030003879"   "20030059080"   "4618025"   "4997058"   "5394478"   "6176345"   "6332029"   "6694038").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/29 15:58
L9	44	(US-20070032130-\$ or US-20060028383-\$ or US-20040097274-\$ or US-20010053228-\$ or US-20030026439-\$ or US-20050049009-\$ or US-20050064764-\$ or US-20070047745-\$).did. or (US-5870679-\$ or US-7064720-\$ or US-4857014-\$ or US-4913664-\$ or US-6217351-\$ or US-4894026-\$ or US-5906512-\$ or US-6039580-\$ or US-6094161-\$ or US-6114986-\$ or US-6174205-\$ or US-6183299-\$ or US-6215656-\$ or US-7221960-\$ or US-5475872-\$ or US-5805985-\$ or US-6979231-\$ or US-4846720-\$ or US-4180819-\$ or US-4299434-\$ or US-4370630-\$ or US-4381129-\$ or US-4396242-\$ or US-4989012-\$ or US-4992060-\$ or US-5506455-\$).did. or (US-5556292-\$ or US-5599199-\$ or US-5608606-\$)	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58

		or US-5650921-\$ or US-5696861-\$ or US-5775934-\$ or US-5928000-\$ or US-5993239-\$ or US-6010352-\$ or US-RE36700-\$ or US-6079994-\$ or US-6099334-\$ or US-6283790-\$ or US-6296492-\$).did.				
L10	5	L9 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L11	4175	diaphragm near4 coil	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L12	49	L11 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L13	23	L12 and L4	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L14	56	diaphragm same (horizontal or lateral) near4 coil	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L15	4258840	@ad<= "20030425"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L16	29	L14 and L15	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L17	29176	"381"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L18	4062	(speaker same (display or LCD or liquid near4 crystal)).clm.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L19	307	L17 and L18	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L20	26	L19 and diaphragm and @ad<= "20031231"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L21	880	381/152.ccls. or 381/306.ccls. or 381/333.ccls. or 381/388.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L22	519	L21 and @ad<= "20031231"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L23	119	L22 and flat near4 panel	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L24	59	L23 and (display or screen or lcd)	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L25	880	381/152.ccls. or 381/306.ccls. or 381/333.ccls. or 381/388.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L26	49	L25 and magnet near4 (frame or diaphragm) and coil near4 (diaphragm or frame)	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L27	763	L25 and @ad<= "200312231"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L28	165	L27 and flat near4 panel	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58

L29	13	L26 and transparent	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L30	1	"4352961".pn.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L31	1	"20060093165"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L32	1	direct near4 vibrat\$3 and flat near4 panel with speaker	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L33	9	direct\$2 near4 vibrat\$3 and flat near4 panel with speaker	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L34	146	direct\$2 near4 vibrat\$3 near4 diaphragm	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L35	4590654	@ad<="20031231"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L36	106	L34 and L35	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L37	23	L36 and \$4phone	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L38	0	("2006/0227981").URPN.	USPAT	OR	ON	2008/12/29 15:58
L39	5	L37 and transparent	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L40	1004	381/152.ccls. or 381/306.ccls. or 381/333.ccls. or 381/388. ccls. or 381/124.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L41	604	L40 and L35	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L42	99	L41 and transparent	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L43	4118385	@ad<="20021231"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L44	527	L40 and L43	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L45	85	L44 and transparent	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L46	28	L45 and diaphragm	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L47	6	("3947644"   "4352961"   "5185549"   "6023123"   "6363157"   "6427017").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/29 15:58
L48	12	L46 and coil and magnet	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L49	1184	coil and magnet same frame and vibrat\$3 and diaphragm	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L50	4590654	@ad<="20031231"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L51	728	L49 and L50	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58

L52	37	L51 and flat near4 panel	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L53	11	L52 and \$4phone	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L54	3283	magnet same coil same diaphragm	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L55	3804338	L54 @ad<= "20020425"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L56	1934	L54 and @ad<= "20020425"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L57	292	L56 and \$4phone	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L58	195	L57 and "381"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L59	477	L56 and coil near4 (attached or connected or adhered) near4 diaphragm	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L60	366	L59 and "381"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L61	64	L60 and magnet\$2 near4 (attached or connected or adhered) near4 (frame or housing or cas\$3 or support)	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L62	263	381/333.cccls.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L63	4258840	@ad<= "20030425"	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L64	163	381/333.cccls. and L63	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L65	12	("6427017").URPN.	USPAT	OR	ON	2008/12/29 15:58
L66	6	L65 and transparent	USPAT	OR	ON	2008/12/29 15:58
L67	2	"6289101".pn. or "6522760".pn.	USPAT	OR	ON	2008/12/29 15:58
L68	10	(US-20020034313-\$).did. or (US-7039206-\$ or US-6427017-\$ or US-6760455-\$ or US-6791519-\$ or US-6940564-\$ or US-7120264-\$ or US-7151837-\$ or US-6289101-\$ or US-6522760-\$).did.	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L69	594432	coil or magnet and transparent	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L70	65367	(coil or magnet) and transparent	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58
L71	5	L68 and L70	US-PGPUB; USPAT	OR	ON	2008/12/29 15:58

L72	4	L71 and L63	:US-PGPUB; :USPAT	OR	ON	2008/12/29 15:58
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